PAT-NO: JP405127402A

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TITLE: ELECTROPHOTOGRAPHIC SENSITIVE BODY

PUBN-DATE: May 25, 1993

INVENTOR-INFORMATION:

NAME	COUNTRY
UMEDA, MINORU	
NIIMI, TATSUYA	
SUZUKI, YASUO	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
RICOH CO LTD	N/A

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APPL-DATE: November 7, 1991

INT-CL (IPC): G03G005/05 , G03G005/06

US-CL-CURRENT: 430/130

ABSTRACT:

PURPOSE: To provide a bipolar electrification electrophotographic sensitive body in which reduction of electrification property due to repeated use is improved by incorporating an antioxidant into the photosensitive body.

CONSTITUTION: The electrophotographic sensitive body has a photosensitive layer 15 essentially comprising a pyrylium dye, electric insulating polymer, and hole transfer matter on a conductive substrate 11. The photosensitive body contains an antioxidant. As for the conductive substrate 11, the following materials can be used: for example, metals such as aluminum, nickel, chromium, nichrome, copper, silver, gold, and platinum, plastic or paper films or cylinders coated with metal oxides such as tin oxide and indium oxide by vapor

deposition or sputtering, plates of aluminum, aluminum alloy, nickel, stainless steel, etc., and tubes produced by such method as D.I., I.I., extrusion, drawing, etc., and then subjected to surface treatment by grinding ultra-finishing, polishing, etc.

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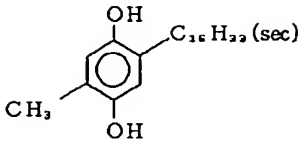
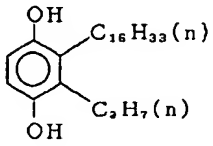
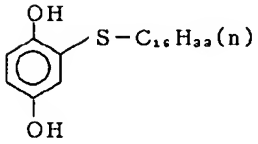
(II)－102



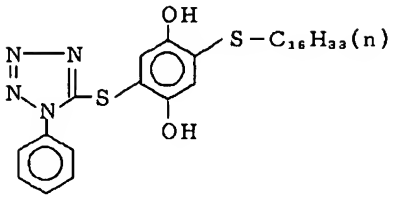
(II)－103



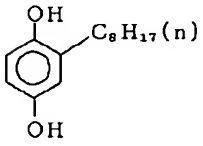
(II)－104



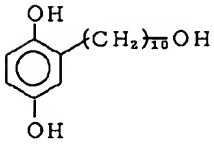
(II)－105



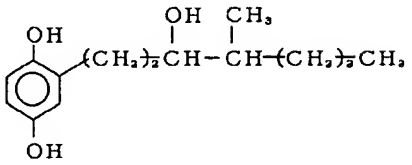
(II)－106



(II)－107



(II)－108



【表4－(16)】

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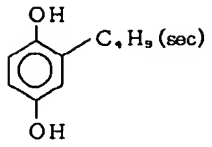
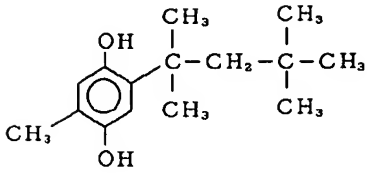
(II)－123



(II)－124



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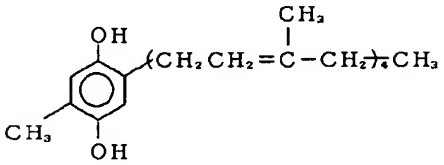
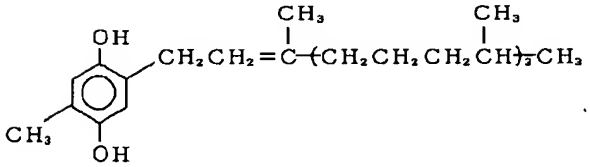
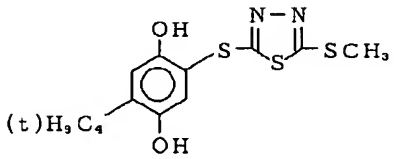


(II)－126



(II)－127



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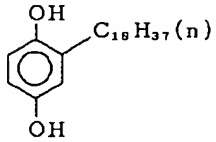
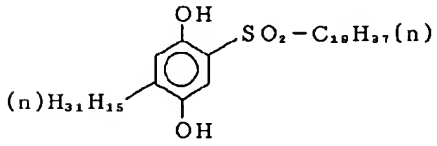


(II)－129



【表4－(19)】